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Title

Patient-centered home cancer screening attitudes during SARS-CoV-2 pandemic

Priority 1 (Research Category)

COVID-19

Presenters

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Abstract

COVID-19 has caused disruptions in health care, in particular cancer screenings. The primary aim of our work was to evaluate the degree to which populations were accepting of home-based screenings for colorectal cancer (CRC) and cervical cancer (primary HPV testing). Three groups of adults having distinct health burdens which may affect acceptance of home-based cancer screening were identified through outpatient electronic medical records as follows as either having survived a COVID hospitalization, having been positive for non-COVID respiratory illness or having type 2 diabetes. 132 respondents (58% female) completed an online survey with hypothetical cases about their acceptance of home-based CRC or cervical cancer screening. Among females, urine and vaginal screening for primary HPV testing was acceptable to 64% and 59%, respectively. Among both males and females, CRC home screening with fecal immunochemical test (FIT) or Cologuard[®] was acceptable to 60% of the respondents. When adjusting for education, women with a positive attitude toward home-based urine /vaginal screening were 49 times and 23 times more likely to have a positive attitude toward CRC screening (aOR=48.7 (95% CI: 7.1, 337) and aOR=23.2 (95% CI: 3.8, 142), respectively). This report indicates that home-based cancer screens for CRC and primary HPV testing are acceptable to men and women and may allow for greater compliance with screening in the future.